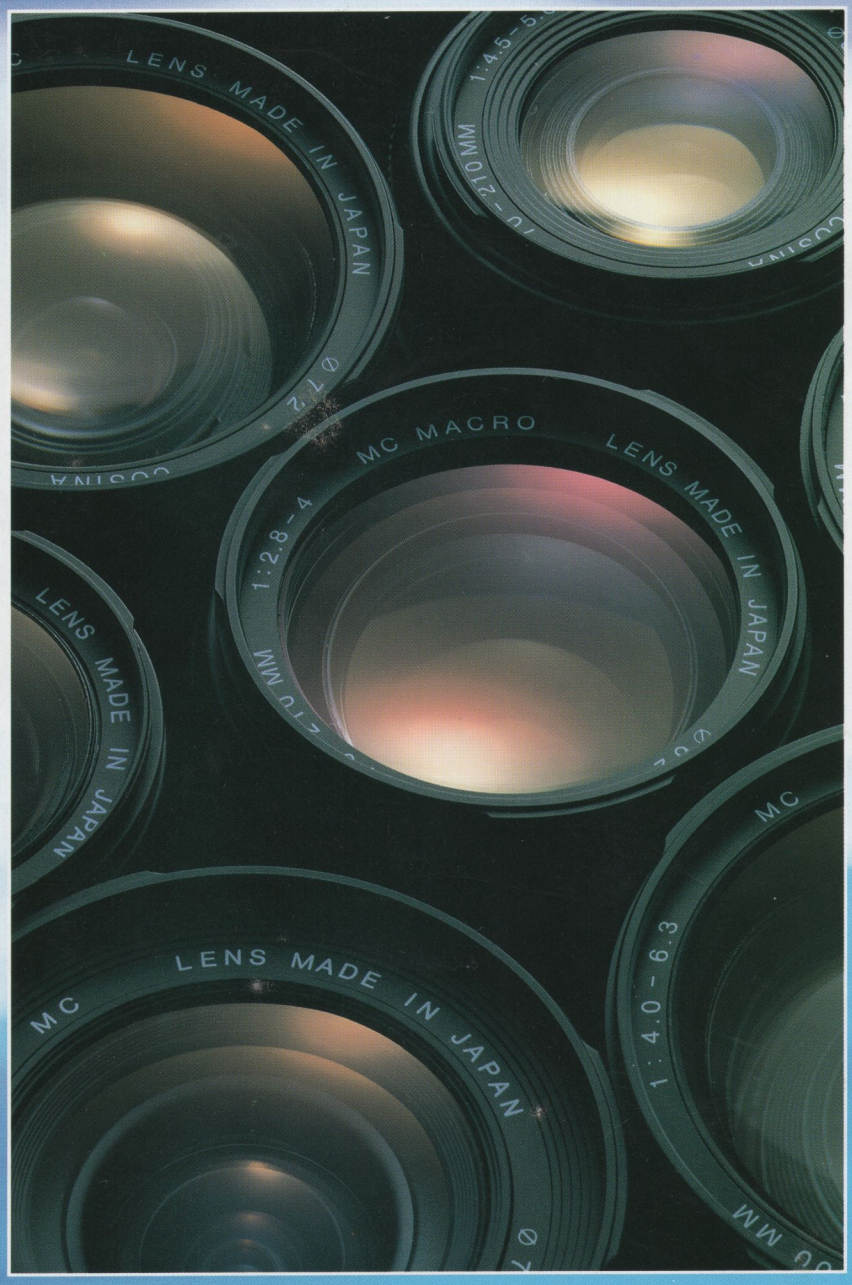
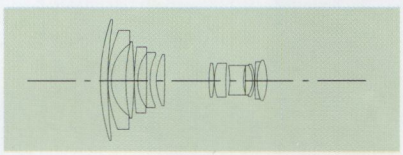
LENS CATALOGUE



COSINA

■ *19-35mm/F3.5-4.5*

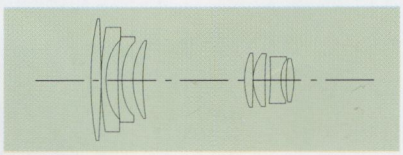
AF



A lightweight and compact wide-angle zoom lens that covers an ultra wide-angle of 19mm to 35mm. This is Cosina's advanced optical system that features a two-group zoom design that compensates distortion at the super wide-angle position. The lens provides high contrast, and high resolution and allows focus down to 0.5m away from a subject, and exhibits its particular strengths for scenic shots.It is also ideal for panoramic shots.

■ *28-80mm/F3.5-5.6*

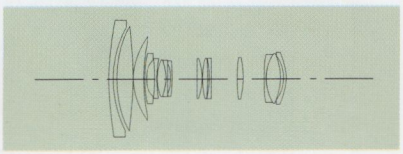
AF MF



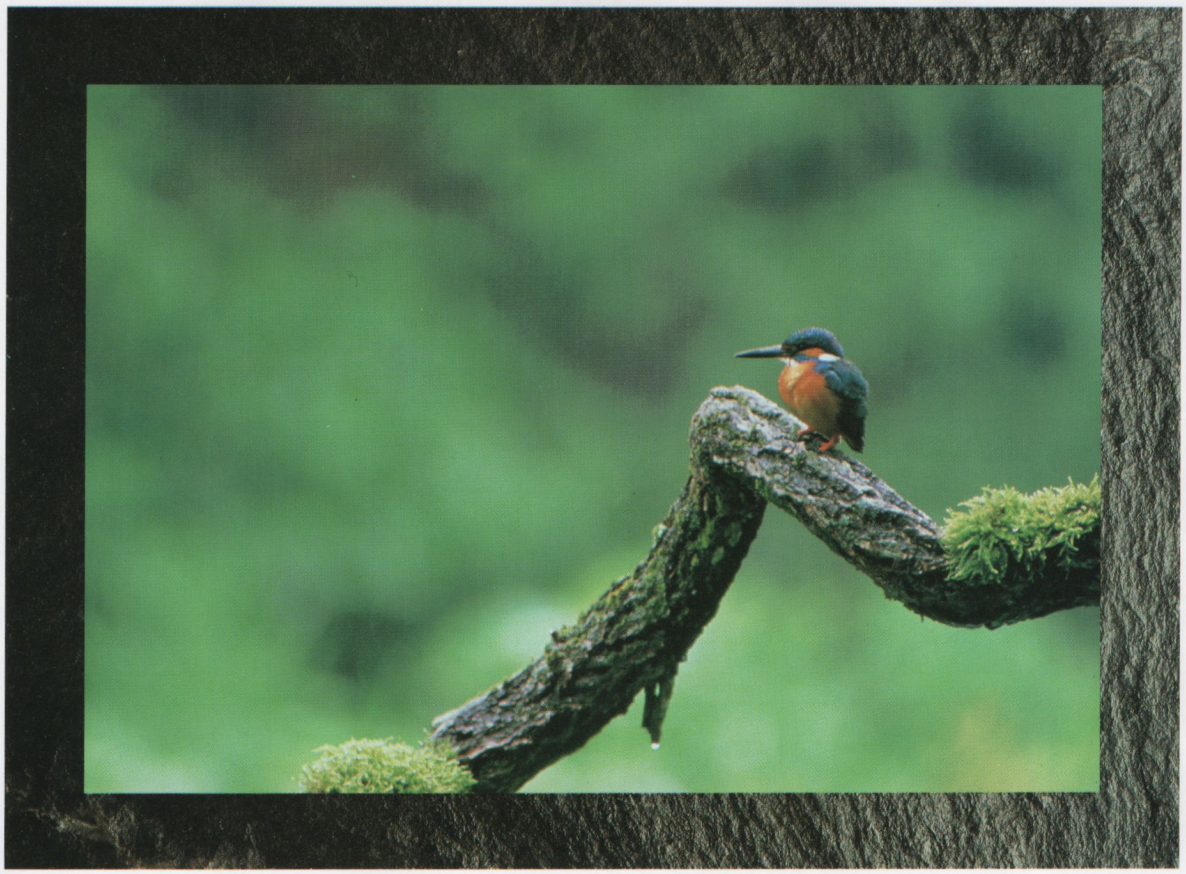
This is a lightweight and compact standard zoom lens that covers the 28mm wide-angle to 80mm medium telephoto range. The lens incorporates high refractive-index glass to achieve superior imaging performance. This is a lens with high cost-performance that can be widely used from everyday snapshots to portrait photography. Also close range photography focusing down to 0.5m away from the subject can be accomplished at every focal length without the use of a changeover switch. This means at focal length of 80mm, macro photography of 1:5.3 can be easily accomplished.

■ *28-105mm/F2.8-3.8*

AF MF

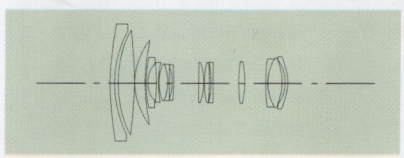


This is a compact, high performance maximum aperture standard zoom, 90mm in length(with Nikon mount), which covers frequently used focal distances, and boasts the brightness of a single focal length lens with maximum aperture of F/2.8. By incorporating four-group multi-motion design and high refractive-index glass, clear high contrast images can be achieved at full aperture throughout the zooming range. Also the zoom ring incorporates a quick slide zoom system, and in particular exhibits its strengths for indoor snapshots and portraits.



■ 28-210mm/F3.5-5.6

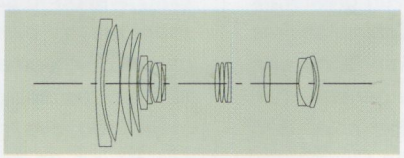
AF MF



This is a zoom lens with a remarkably high zoom ratio of 7.5X that incorporates in a single lens, a broad range of focal lengths from wide-angle of 28mm to telephoto of 210mm. It is equivalent to having 7 single focal length lenses, and most photographic situations can be covered with this one lens. Through the four-group multi-motion zoom system, which is based on Cosina's own lens design technology, superior imaging performance is exhibited in all zoom ranges. Also the zoom ring incorporates the slide zoom system, and it is a universal quick zoom lens that can accommodate various photographic situations.

■ 28-300mm/F4.0-6.3

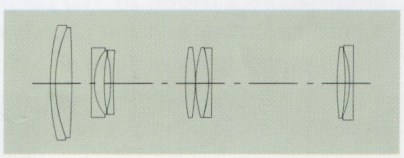
AF



This is the world's first super high zoom ratio single lens reflex interchangeable lens that exceeds a zoom ratio of 10X, from wide-angle of 28mm to super telephoto of 300mm. The advent of this lens was made possible through Cosina's own lens design technology and ultra precision technology. It is lightweight and compact, and offers full aperture throughout the whole zoom range, for obtaining sharp high contrast images. This is the new generation zoom lens to handle all photographic situations from snapshots, portraits, sports and scenics with a single lens.

■ 70-210mm/F4.5-5.6

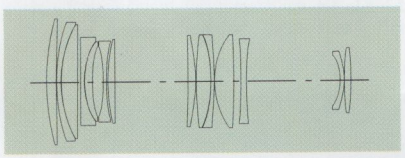
AF MF



This is a 3X zoom ratio zoom lens that covers frequently used focal lengths from medium telephoto of 70mm to 210mm for full-fledged telephoto effect. This lens incorporates three-group multi-motion zoom system, and is lightweight and compact. Close-range photography up to 1.4m is possible throughout the zoom range. Also the zoom ring incorporates the slide zoom system, and its superior quick zoom exhibits its strengths for portraits, and sports photography, and makes it a high cost performance telephoto zoom lens.

■ 70-210mm/F2.8-4.0

AF MF



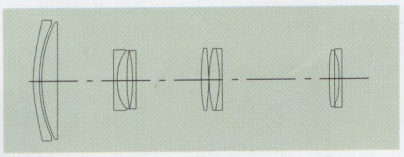
This is a high performance telephoto zoom lens that can be used in a broad range of applications from sports to news photography, and portraits, which realizes a full aperture f-stop of F/2.8 typical of a single focal length lens.

In particular, close-up photography with a macro magnification of 1:2.5, typical of macro lens, is possible at a focal distance of 210mm. Furthermore, it is equipped with a focusing limiter switch, and its rapid zoom performance for general photography is superior.

Through multiple coating, ghost-free imaging is possible, guaranteeing high contrast image quality.

■ 100-300mm/F5.6-6.7

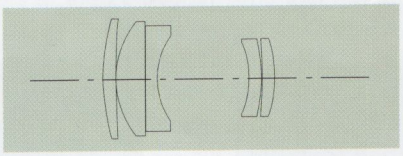
AF MF



This is a 3X telephoto zoom lens where dynamic zoom-in can be enjoyed. Impressive telephoto effects from medium telephoto range of 100mm to 300mm can be obtained. By incorporating the three-group multi-motion zoom system, full aperture at all focal lengths to achieve crisp high contrast images is possible. Furtheimore, focus down to 1.5m throughout the full zoom range is possible. This is a compact telephoto zoom lens that exhibits its strengths in a broad range of photographic situations from sports, to scenics.

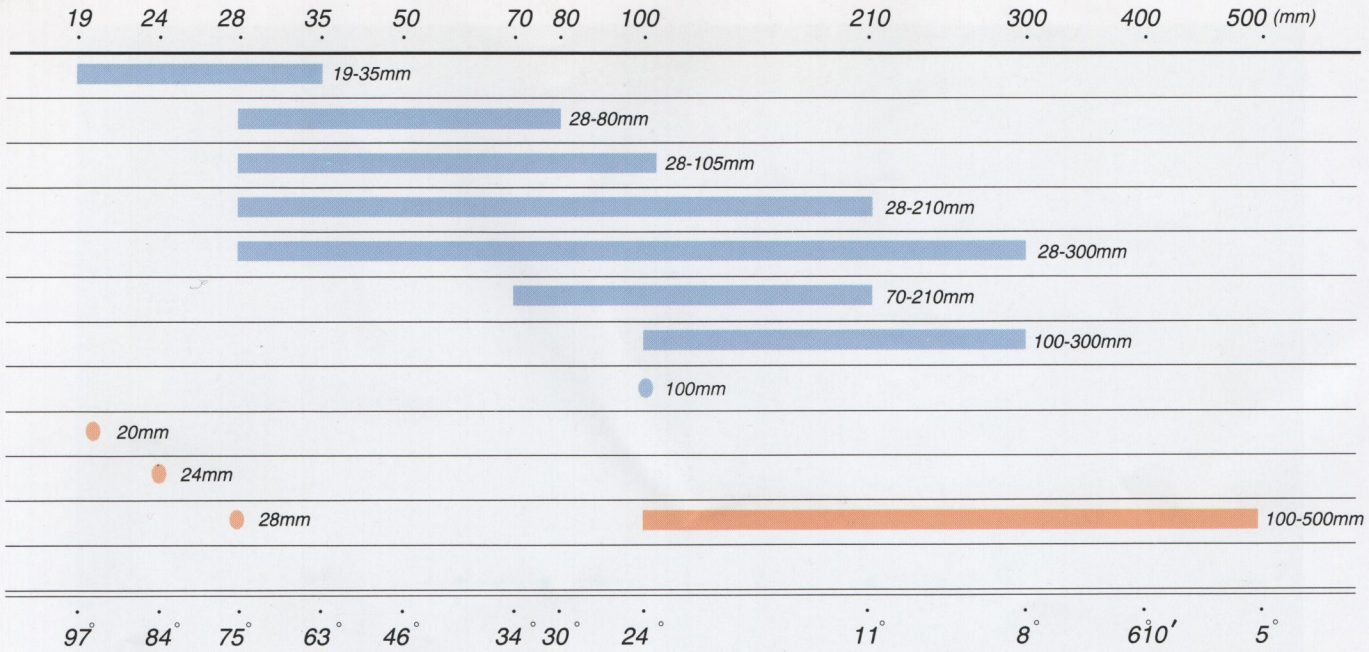
■ 100mm/F3.5 MACRO

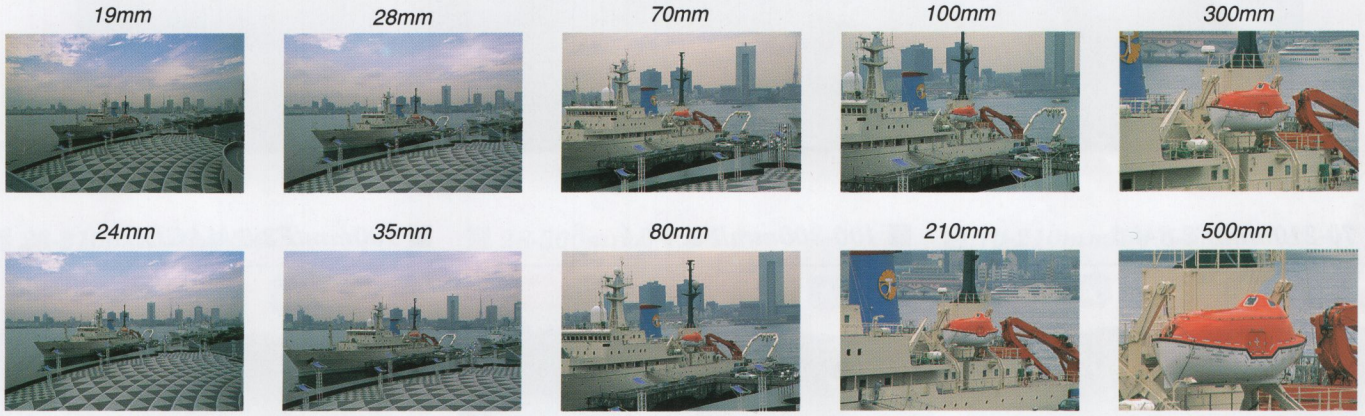
AF MF



This is a high performance telephoto macro lens that enables auto focus photography in the full range from infinity to 0.5 magnification(full life-size with close-up lens accessory). Compared to the 50mm macro lens, distance from end of the lens to the subject can be twice the distance, and is especially useful for insects and other subjects that are difficult to approach. Also the defocus effect is beautiful and together with the regular use medium telephoto focal lens, it can be used in a broad range of applications from portraits, and scenics. This lens is ideal for close-up photography.

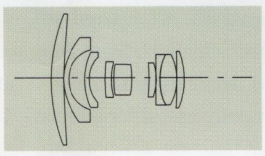
Picture Angle List





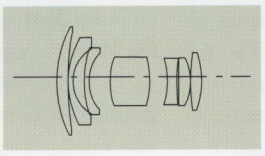
■ 20mm/F3.8

MF



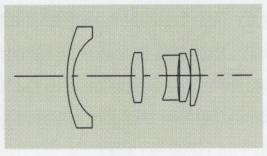
■ 24mm/F2.8

MF



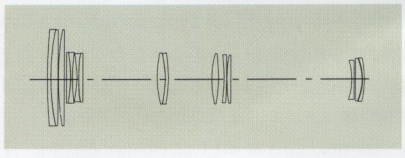
■ 28mm/F2.8

MF



■ 100-500mm/F5.6-8.0

MF



■AF Lenses

Lenses	Lens Construction(Groups/Elements)	Angle of View	Type of Zooming	Diaphragm Blade Number	Minimum Aperture (F)	Minimum Focus (m)	Macro Mag. Ratio	Filter Diameter (φ:mm)	Weight (gm)	Diameter/Length (mm)
19 - 35mm F3.5 - 4.5	11 — 13	97° — 63°	Rotation	8	22	0.5	1 : 12	77	300	82/67.2
28 - 80mm F3.5 - 5.6	8 — 8	75° — 30°	Rotation	8	16	0.5	1 : 5.3	58	295	68.5/73.7
28 - 105mm F2.8 - 3.8	13 — 15	75° — 23°	One-Touch	8	22	1.5	1 : 12	72	437	77/90
28 - 210mm F3.5 - 5.6	13 — 15	75° — 11°	One-Touch	8	16	1.9	1 : 8	72	540	76.6/109.5
28 - 300mm F4.0 - 6.3	15 — 17	75° — 8°	One-Touch	8	16	1.9	1 : 5.5	77	570	82/122
70 - 210mm F4.5 - 5.6	7 — 10	34° — 11°	One-Touch	8	22	1.34	1 : 5	55	415	69/102
70 - 210mm F2.8 - 4.0	11 — 14	34° — 11°	One-Touch	9	22	1.1	1 : 2.5	62	710	73.5/128
100 - 300mm F5.6 - 6.7	8 — 10	24° — 8°	One-Touch	8	32	1.5	1 : 3.9	55	500	69/137.5
100mm Macro F3.5	4 — 5	24°	—	8	22	0.43	1 : 2	49	208	68/70.5

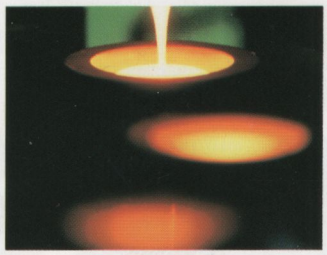
Corresponding Mounts; CANON-EOS,NIKON-AF,MINOLTA-AF

■MF Lenses

Lenses	Lens Construction(Groups/Elements)	Angle of View	Type of Zooming	Diaphragm Blade Number	Minimum Aperture (F)	Minimum Focus (m)	Macro Mag. Ratio	Filter Diameter (φ:mm)	Weight (gm)	Diameter/Length (mm)
20mm F3.8	8 — 9	94°	—	5	22	0.2	1 : 6.4	62	184	65/35.5
24mm F2.8	7 — 7	84°	—	5	22	0.19	1 : 5	52	190	63.5/39.5
28mm F2.8	5 — 5	75°	—	5	22	0.22	1 : 5	49	180	63.5/37.5
28 - 80mm F3.5 - 5.6	8 — 8	75° — 30°	Rotation	8	22	0.8	1 : 4	58	237	63.5/74.2
28 - 105mm F2.8 - 3.8	13 — 15	75° — 23°	One-Touch	8	22	1.5	1 : 6.8	72	461	77/90
28 - 210mm F3.5 - 5.6	13 — 15	75° — 11°	One-Touch	8	22	2.5	1 : 4	72	540	75/109.5
70 - 210mm F4.5 - 5.6	7 — 10	34° — 11°	One-Touch	8	32	1.14	1 : 4	52	480	63.5/102
70 - 210mm F2.8 - 4.0	11 — 14	34° — 11°	One-Touch	9	22	1.1	1 : 2.5	62	730	68.5/128
100 - 300mm F5.6 - 6.7	8 — 10	24° — 8°	One-Touch	8	32	1.5	1 : 4	52	500	63.5/137.5
100 - 500mm F5.6 - 8.0	10 — 15	24° — 5°	One-Touch	9	32	3.0	1 : 5	67	995	75/202.5
100mm Macro F3.5	4 — 5	24°	—	8	22	0.43	1 : 2	49	256	65.6/70.5

Corresponding Mounts; PENTAX-A/RICOH-RK,CANON-FD,MINOLTA-MD,OLYMPUS-OM,NIKON-Ai-S,CONTAX-YASHICA,PRAKTICA-SCREW

OUR ADVANCED TECHNOLOGY IN CONTROLED PRODUCTION OFFERS UNSURPASSED OPTICAL QUALITY.



Images that pass through a lens in a moment, bring to us a world of greater expression that surpass the bounds of the naked eye. The magic of the lens, transcends even advanced sensibilities, by 100 percent or even greater,as if communicating with the photographer. Cosina desires that the photographer have a profound experience with these fascinating kind of lenses.Cosina is a general optic manufacturer that continues to produce and shipout to Japan and the world from Nagano; called the Switzerland of Japan because of its fresh air and natural environment, highly reliable and high quality products. Cosina has realized a consolidated system for all processes from glass dissolving to completion. Particular attention has gone into the whole product range, not only for the AF zoom, but also manual focus types. Among these, it is no exaggeration to state that the 28-300mm lens that has a zoom ratio of over 10X, is the crystallization of Cosina's unique development skills, which are demonstrated by its attested technology. Cosina lenses are used and trusted by all who love images, from beginners to experts. We are taking up the challenge to unfold a greater and fascinating range of imagery based on our many accomplishments. Discover a new world of images together with Cosina Lenses.

* Specifications and external appearances are subject to change without notice.

COSINA

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